

Washington Latin
Honors Pre-Calculus

End Behaviour

$a_n x^n$ is the leading term of a polynomial. Describe the end behaviour of the polynomial in the following table. To describe the end behaviour, use arrows, *e.g.*

$$y \rightarrow \infty \text{ or } y \rightarrow -\infty$$

depending on whether the function (y - value) goes off to positive infinity or negative infinity.

	n is even		n is odd	
	a_n is positive	a_n is negative	a_n is positive	a_n is negative
as $x \rightarrow -\infty$				
as $x \rightarrow \infty$				